

international agreement on the anemometric equivalents of this scale, with reference to its use in weather telegraphy, and a committee was appointed to prepare a report on the subject. This committee reported at the Rome, 1913, meeting of the International Meteorological Committee. A report of this meeting (Appendix 7) contains a résumé of the various wind scales in use and the anemometric equivalents recognized by various countries. The wind-scale committee recommended that the International Committee should adopt a set of equivalents in meters per second and in miles per hour (published on p. 36 of the appendix above mentioned), approximating the Simpson scale, though not agreeing with it exactly. The International Committee decided, however, that it was not yet practicable to adopt an international set of equivalents, and referred the subject back to the special committee for further consideration. In 1915 the Russian Meteorological Service announced that it had adopted a set of equivalents based on the English table, in conformity with the decisions of the Rome meeting of the International Committee (Monthly Weather Review, April, 1915, p. 183), but the announced equivalents do not exactly agree either with those of Simpson or with those proposed at the Rome meeting for international use. This subject was revived at the London, 1921, meeting of the International Committee, and Doctor Simpson was asked to undertake further investigation of the subject, which he agreed to do. This action is briefly mentioned in the report of the International Meteorological Conference held at Utrecht in 1923, but there is no record of further progress in the matter.

It would appear to be most desirable that the question of international adoption of the Beaufort Scale should form a subject for definitive action at the next meeting of the International Meteorological Committee. The extent to which the scale is recognized unofficially will, it is believed, constitute an important step toward such international adoption.—B. M. V.

#### FREQUENCIES OF SELECTED RELATIONS BETWEEN TEMPERATURE AND RELATIVE HUMIDITY

Dr. Moriz Topolansky presents in *Das Wetter* for January, 1925, pp. 21-23, an interesting method of setting forth certain relations between these two important climatic elements.

He plots for Vienna (years 1919-1923) the frequencies of simultaneous occurrence of selected 2 p. m. temperature and relative humidity values. Temperatures are grouped in successive 5 degree ranges and relative humidities in successive 5 per cent ranges.

*Temperature-relative humidity relations at Vienna (2 p. m. values, years 1919-1923)*

(Frequencies of simultaneous individual values)

Relative humidity (per cent)	Temperature, °C.										Sums
	-10	-5	0	5	10	15	20	25	30	35	
100			13	29	6	4					52
95			13	36	18	11	5				83
90											
85		2	20	33	26	19	13				113
80		4	15	35	34	14	14	2			118
75		3	19	33	32	22	25	4			138
70		3	11	30	29	30	26	10			139
65		4	8	24	33	28	25	17	2		147
60		1	8	33	30	29	36	38	4		179
55		2	9	22	26	31	38	44	8		180
50			4	4	8	36	32	44	55	13	196
45				5	8	20	25	37	50	19	164
40				5	5	15	26	35	35	16	138
35					4	7	19	18	25	17	94
30						5	9	8	15	13	55
25						4	2	7	3	7	27
20							2	1			3
Sums	23	130	300	327	303	332	296	99	14		

Though this general method of depicting climate necessarily omits important climatic elements—perhaps wind movement is in this case the most important—nevertheless it would doubtless prove of value to many of those concerned with the physiological relations of climate.

One finds concentrated in a table of this sort many facts otherwise to be presented only at considerable length. Thus it is at once clear that at Vienna cool to moderate early afternoon temperatures are accompanied by nearly every possible relative humidity; temperatures near freezing have a tendency to be accompanied by considerable dampness; high temperatures are almost never accompanied by high humidity. Other relations are equally patent from the table.—B. M. V.

#### THE MARCH, 1925, POSITION OF THE GULF STREAM AND THE LABRADOR CURRENT

The following note, taken from the Coast Guard Weekly Bulletin No. 16-25, dated April 18, 1925, is of especial interest in connection with the note in this REVIEW for February, 1925, on the extraordinarily mild winter of 1924-25 in northwestern Europe.

The scientific observations made during the first cruise of the *Tampa* on the international ice patrol divulged some interesting facts. One of the most striking was the decided movement upward [northward] of the "cold wall" and another is the disappearance of the 32° line on the southern part of the Grand Banks with only a slight touch of cold water along the 44th parallel. It is very evident that the Labrador current is very weak, and that the influence of the Gulf Stream is felt farther north even to the extent of overlapping on the Banks. The absence of Arctic water, the weakness of the Labrador current, the overwhelming effect of the Gulf Stream, and the mild winter conditions off the coast of Labrador, etc., have no doubt been responsible for the total absence of bergs below latitude 46° to date. From March 26 to 31 the patrol vessel encountered about 50 per cent fog.

#### AMUNDSEN'S SHIPS REACH SPITZBERGEN

Press reports under date of April 25, 1925, indicate that the two supporting ships of Amundsen's airplane expedition to the North Pole have reached King Bay, Spitzbergen, thus giving evidence of an exceptionally open season in that sector of the Arctic. Usually that region can not be reached before the latter part of May at the earliest.—A. J. H.

#### NEW CHIEF OF THE SERVICIO METEOROLOGICO ESPAÑOL

Word has been received at the U. S. Weather Bureau, under date of March 20, 1925, announcing the withdrawal of Señor J. Cruz-Conde from his position as Chief of the Spanish Meteorological Service, a step made necessary by his appointment to an important Government post not connected with meteorology. His successor as head of the Meteorological Service is Señor Enrique Meseguer.

#### METEOROLOGICAL SUMMARY FOR FEBRUARY AND MARCH, 1925: CHILE, ARGENTINA, BOLIVIA, PERU, URUGUAY, AND PARAGUAY.

[Reported by Señor Julio Bustos Navarrete, Director, El Salto Observatory, Santiago, Chile. Translated by W. W. Reed, U. S. Weather Bureau, Washington]

*February.*—The first 15 days of the month were characterized in Chile by the establishment of an important center of high pressure opposite the coast of Arauco Province. The pressure remained low southward to Magallanes Province, frequent depressions being observed.